0570
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OIPE

RAW SEQUENCE LISTING DATE: 10/30/2001
PATENT APPLICATION: US/09/814,292 TIME: 12:02:02

Input Set : A:\348022001500.txt
Output Set: N:\CRF3\10302001\I814292.raw

<110> APPLICANT: Yu, De-Chao
Zhang, Hong
Henderson, Daniel R.
<120> TITLE OF INVENTION: HUMAN UROTHELIAL CELL SPECIFIC UROPLAKIN TRANSCRIPTIONAL REGULATORY SEQUENCES, VECTORS COMPRISING UROPLAKIN-SPECIFIC TRANSCRIPTIONAL REGULATORY SEQUENCES, AND METHODS OF USE THEREOF
<130> FILE REFERENCE: 348022001500
<140> CURRENT APPLICATION NUMBER: 09/814,292
C--> <141> **CURRENT FILING DATE: 2001-10-12**
<150> PRIOR APPLICATION NUMBER: 60/191,861
<151> PRIOR FILING DATE: 2000-03-24
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<170> SOFTWARE: FastSEQ for Windows Version 4.0
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<220> FEATURE:
<223> OTHER INFORMATION: Human uroplakin II 5' flanking region
<400> SEQUENCE: 1

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65 ccccttggag tattctcttc ctacatatca gggcaacttc caaactcatc acccttctga 1860
66 ggggtggggg aaagaccccc accacatcgg gggagcagtc ctccaaggac tggccagtct 1920
67 ccagatgccc gtgcacacag gaacactgcc ttatgcacgg gagtcccaga agaaggggtg 1980
68 atttctttcc ccaccttagt tacaccatca agacccagcc agggcatccc ccctcctggc 2040
69 ctgagggcca gctccccatc ctgaaaaacc tgtctgctct ccccaccccct ttgaggctat 2100
70 agggcccaag gggcaggttg gactggattc ccctccagcc cctccgccc ccaggacaaa 2160
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75 <211> LENGTH: 3592
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77 <213> ORGANISM: Artificial Sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: Mouse uroplakin II 5' flanking region
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85 agtggctcac tcaaagttac aagccaacac tcaccactac gagtacaatg gccaccatta 180
86 gtgctggcat gccccaggag acaggcatgc atattattct agatgactgg gaggcagagg 240
87 ggtggcctag tgaggtcaga ctgtggacag atcaggcaga tgtgggttct gatcccaatt 300
88 cctcaggccg cagaactact gtggttcaag aaggggacaa aaggactgca gtccggaaca 360
89 ggaggtccat ttgagagctg actgagcaga agaggaaagt gaagaacttc tggggcaaga 420
90 gcttacccta ctttacagct ttgttgtctt ctttactcca ggggcgtccc tggtactcag 480
91 taaatgtctg ttggcttgag gaacatatgt gtaaggagga aggagaggga acttgaggga 540
92 gttaagactc aagaatcaat caaggagagg acagcagaga agacagggtt tgggagagag 600
93 actccagaca ttggccctgg ttcccttctt ggccactgtg aaaccctcca gaggaactga 660
94 gtgctgtggc tttaaatgat ctcagcactg tcagtgaagc gctctgctca aagagttatc 720
95 ctcttgctcc tgtgccgggg cctccccctc ctctcagctc ccaaaccctt ctcagccact 780
96 gtgatggcat aattagatgc gagagctcag accgtcaggt ctgctccagg aaccacccat 840
97 tttccccaac cccagagaaa ggtcctagtg gaaaagtggg ggccactgaa gggctgatgg 900
98 ggttctgtcc tttcccccat gctgggtgga cttaaagtct gcgatgtgtg tagggggtag 960
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100 caaatttact gtgcaatgga cgatcaggaa actggttcag atgtagcttc tgatacagtg 1080
101 ggtctgaggt aaaacccgaa acttaatttc tttcaaaaat ttaaagttgc atttattatt 1140
102 ttatatgtgt gcccatatgt gtgccacagt gtctatgtgg aggtcagagg gcaagttgtg 1200
103 ggcattggct ctctcctttc ataatgtggc ttctggggac caaaatgtca ggcatggtgg 1260
104 caagagcttt tacctgttga gccatctcat ggtttcgtaa aacttcctat gacgcttaca 1320
105 ggtaacgcag agacacagac tcacatttgg agttagcaga tgctgtattg gtgtaaacac 1380
106 tcatacacag acacacacac atactcatac acacacacac acacttatca catgcacaca 1440
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108 tccacacaca cactcatcca cacacacaga cacacatact catccacaca cacacacaca 1560
109 catactcata cacacacaca gacacacata ctcatacaca cacacagaca cacacatata 1620
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111 ctcatacaca cacacactca tacacacaca cactcataca cacacacacg aggtttttct 1740
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115 gtctcaaacc tccacatagc acagtgttta cgtgaggatt taggaggaat caggaagagg 1980
116 attggtttac tgcagagcag accatatagg tccactccta agccccattt gaaattagaa 2040
117 gtgagacagt gtgggataaa aagagcagat ctctggtcac atttttaaag ggatatgagg 2100
118 gtcctgtgcc tttaagcctt cccatctccc tccaatcccc cctcaccttc cccaccctaa 2160
119 ccctccccag gtttctggag gagcagagtt gcgtctttcc cctgccctgc cgagctgctc 2220
120 actggctgct ctagaggctg tgctttgcgg tctccatgga aaccattagt tgctaagcaa 2280
121 ctggagcatc atctgtgctg agctcaggtc ctatcgagtt cacctagctg agacacccac 2340
122 gcccctgcag ccactttgca gtgacaagcc tgagtctcag gttctgcatc tataaaaacg 2400
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137 cctacctcct tggagactga ccctctacag tccaggaggc agacactcag acagaggaac 3300
138 tctgtccttc agtcgcggga gttccagaaa gagccatact cccctgcaga gctaactaag 3360
139 ctgccaggac ccagccagag catccccctt tagccgaggg ccagctcccc agaatgaaaa 3420
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149 <220> FEATURE:
150 <223> OTHER INFORMATION: Nucleotide sequence for ADP
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155 catgtggtgg ttttccatag cgcttatgtt tgtttgcctt attattatgt ggcttatttg 180
156 ttgcctaaag cgcagacgcg ccagaccccc catctatagg cctatcattg tgctcaaccc 240
157 acacaatgaa aaaattcata gattggacgg tctgaaacca tgttctcttc ttttacagta 300
158 tgattaa 307
160 <210> SEQ ID NO: 4
161 <211> LENGTH: 101
162 <212> TYPE: PRT
163 <213> ORGANISM: Artificial Sequence
165 <220> FEATURE:
166 <223> OTHER INFORMATION: Amino acid sequence for ADP

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Input Set : A:\348022001500.txt
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172 20 25 30
173 Val Asn Asp Trp Ala Ser Leu Asp Met Trp Trp Phe Ser Ile Ala Leu
174 35 40 45
175 Met Phe Val Cys Leu Ile Ile Met Trp Leu Ile Cys Cys Leu Lys Arg
176 50 55 60
177 Arg Arg Ala Arg Pro Pro Ile Tyr Arg Pro Ile Ile Val Leu Asn Pro
178 65 70 75 80
179 His Asn Glu Lys Ile His Arg Leu Asp Gly Leu Lys Pro Cys Ser Leu
180 85 90 95
181 Leu Leu Gln Tyr Asp
182 100
184 <210> SEQ ID NO: 5
185 <211> LENGTH: 29
186 <212> TYPE: DNA
187 <213> ORGANISM: Artificial Sequence
189 <220> FEATURE:
190 <223> OTHER INFORMATION: PCR Primer 66.119.1
192 <400> SEQUENCE: 5
193 accggtctcg aggatctcgg ccctctttc 29
195 <210> SEQ ID NO: 6
196 <211> LENGTH: 26
197 <212> TYPE: DNA
198 <213> ORGANISM: Artificial Sequence
200 <220> FEATURE:
201 <223> OTHER INFORMATION: PCR Primer 66.119.2
203 <400> SEQUENCE: 6
204 accggtactg cgctgggact ggatcc 26
206 <210> SEQ ID NO: 7
207 <211> LENGTH: 34
208 <212> TYPE: DNA
209 <213> ORGANISM: Artificial Sequence
211 <220> FEATURE:
212 <223> OTHER INFORMATION: PCR Primer 100.24.1
214 <400> SEQUENCE: 7
215 aagcttaccg gtactgcgct gggactggat cctg 34
217 <210> SEQ ID NO: 8
218 <211> LENGTH: 36
219 <212> TYPE: DNA
220 <213> ORGANISM: Artificial Sequence
222 <220> FEATURE:
223 <223> OTHER INFORMATION: PCR Primer 100.27.1
225 <400> SEQUENCE: 8
226 accatggacc ggtctcgagg atctcggccc tctttc 36
228 <210> SEQ ID NO: 9
229 <211> LENGTH: 36

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VERIFICATION SUMMARY DATE: 10/30/2001
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L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date